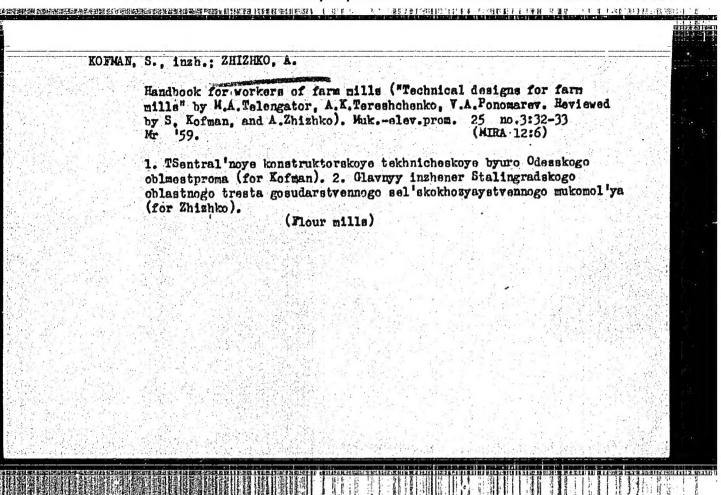
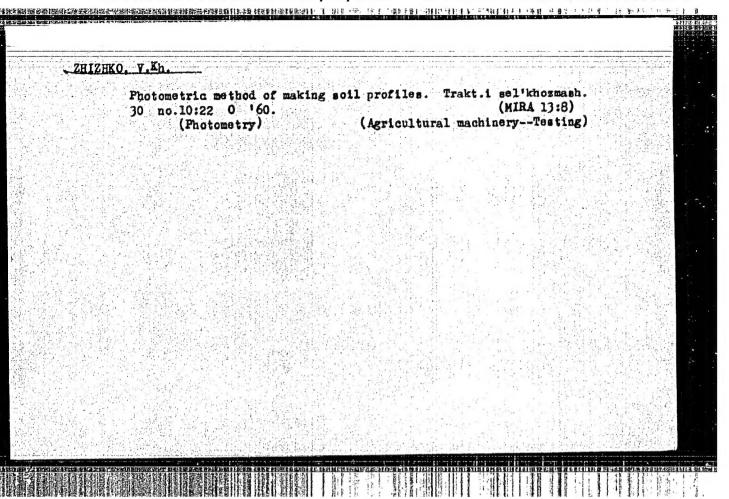
H-5 Growth and development Czechoslovakia/Plant Physiology Abs Jour : Referat. Zh - Biol., No 6, 25 March 1957, 22411 : Gorzhavka, Polachkova, Zhizhka Author : Not given Inst : A method for establishing the light stage in buckwheat Title (Fagopyrum sagittatum Gilib). Orig Pub : Sbor. Ceskosl. akad. zemed. ved. Rada-Rostl. vyroba, 1956, 29, No 3, 213-248 Abstract : The scale of growth development of buckwheat for a natural and shortened day was established. Taking this scale into account, the authors established that the light stage of the tested buckwheat type lasts 2-5 days depending on the length of day and temperature. The light stage terminates most rapidly in a 12-hour day. The biological adaptability of plants to a light regimen is very broad; development is possible in daylengths from 5 to 24 hours. The plants reacted to the photoperiod even in the cotyledon stage. Bibl. 26 refs. Card 1/1 -35-





RUCHKO, B.F., inzh.; GOL'DSHTEYN, M.Ya., inzh.; ZHIZLOV, N.I., kand. tekhn. nauk.; ALEKSEYEV, A.D., inzh.

Using powered supports in a steeply pitching seam with a diagonal stope. Ugol' Ukr. 9 no.12:9-13 D '65.

(MIRA 19:1)

1. Dongiprouglemash (for Ruchko, Gol'dshteyn). 2. Donetskiy politekhnicheskiy institut (for Zhizlov, Alekseyev).

SHAMOV, A.N.; BODAZHKOV, V.A.; ZHIZHMOR, Ya.I., inzh., retsenzent;

MORGUN, V.V., inzh., red.; MIKHEYEVA, R.N., red.izd-va;

PETERSON, M.M., tekhn. red.

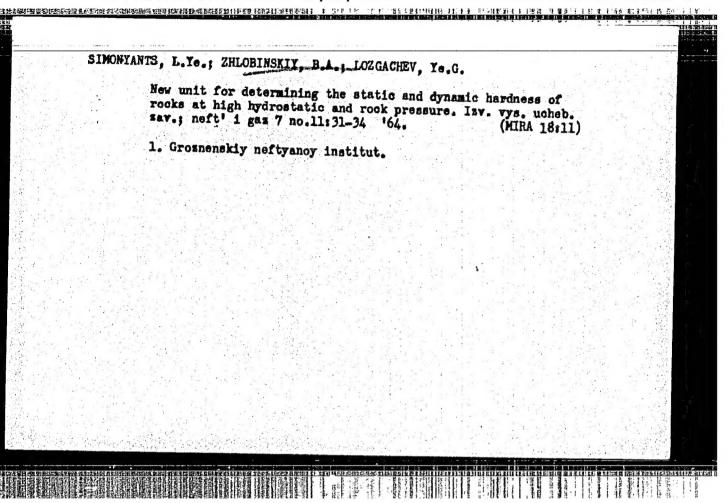
[Design and operation of high-frequency plants] Proektirovanie i ekspluatatsiia vysokochastotnykh ustanovok. Moskva,

Mashgiz, 1963. 218 p. (MIRA 17:1)

SUKHOVILOV, M., podpolkovnik; ERUPNOV, V., mayor; ZHIZHIN, A., podpolkovnik;
DADOMOV, A., mayor; FETFEROV, A., gvardii mayor; IVAMOV, P., gvardii polkovnik

Important problem. Voen.vest. 39 no.4:52-55 Ap '60. (MIRA 14:2)

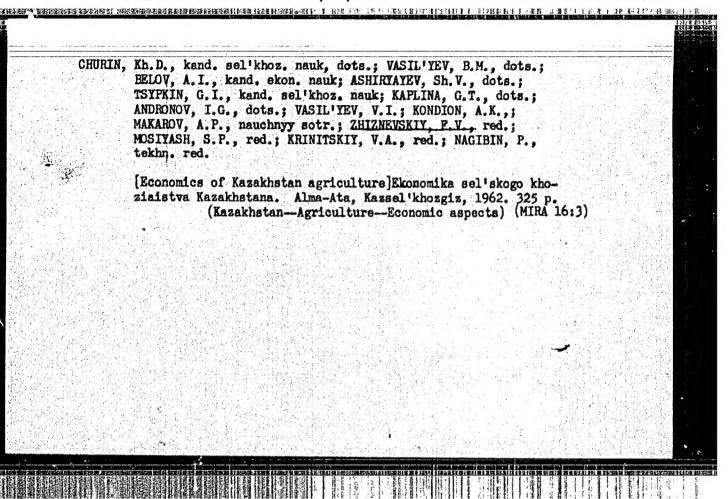
(Russia-Army-Noncomissioned officers)



KIM, II'ya lakich; ZHIZNEVSKIY, F., red.; KUZEMBAYEVA, A., tekhm.

[Budget and developing the economy and culture of Kazakhstan]
Biudzhet i razvitie ekonomiki i kul'tury Kazakhstana. AlmaAta, Kazakhskoe gosizd-vo, 1961. 114 p. (MIRA 15:1)

(Kazakhstan—Budget) (Kazakhstan—Economic conditions)



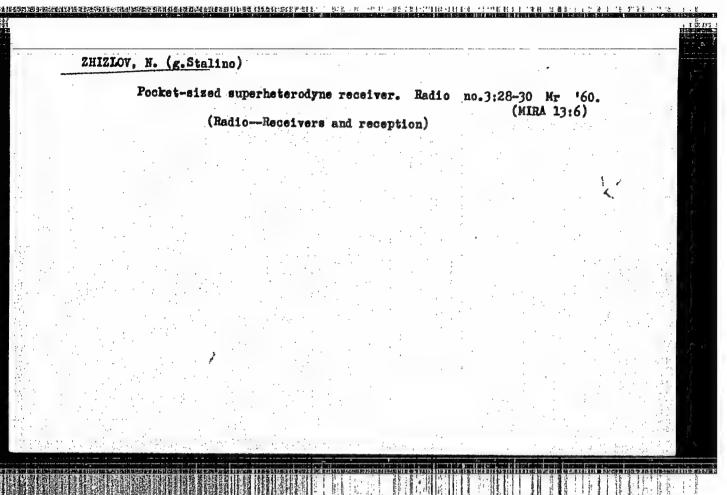
ZHIZHNEVSKIY, G.O,; BALETSKAYA, T.S.
Hew motion-picture equipment in television. Tekh.kino i telev. 4 no.10:8-9 0'60. (MIRA 13:10) (Motion pictures and television) (TelevisionEquipment and supplies)

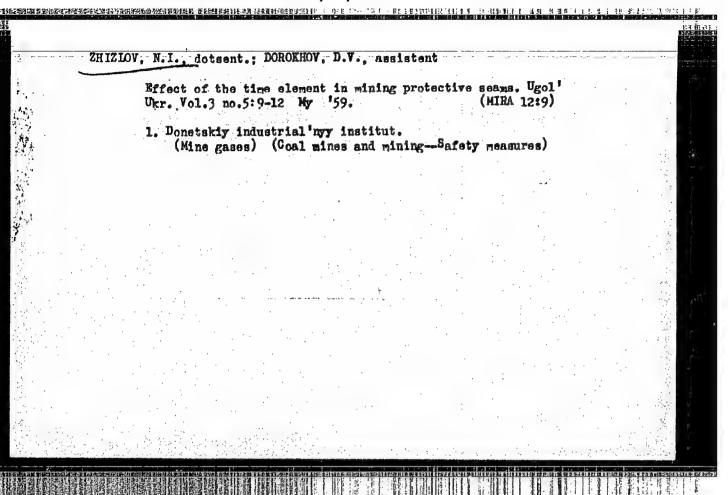
BITYUKOV, I.I., insh., ZHIZHOV, L.I., insh.

Asphalt filters for vertical drainage holes. Gifr. i mel. 12
no.8:45-49 Ag '60.

1. Otdel instituta "Orgenergostroy", g. Stalingrad .

(Drainage) (Filters and filtration)



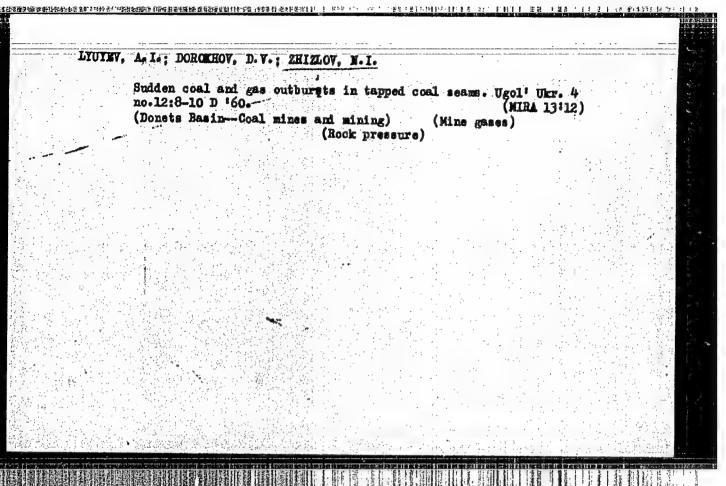


ZHIZLOV. N. I.a. kand. tekhn.nauk, nauchnyy rabotnik; ZEORSHCHIK, M.P., insh.;
nauchnyy rabotnik; ZEMLYANSKIY, L.V., inzh., nauchnyy rabotnik;
KOREPANOV, K.A., kand. tekhn.nauk, nauchnyy rabotnik; MALOV, V.P.,
kand. tekhn.nauk, nauchnyy rabotnik; MEDVEDEV, B.I., kand. tekhn.
nauk, nauchnyy rabotnik; NOVITSKIY, A.M., kand. tekhn.nauk,
nauchnyy rabotnik; PROKOF'IEV, V.P., nauchnyy rabotnik; SAPITSKIY,
K.F., kand. tekhn.nauk, nauchnyy rabotnik; YAKUSHEVSKIY, A.Yu.,
kand. tekh.nauk, nauchnyy rabotnik; LIPKOVICH, S.M., dotsent, red.;
SHUSHKOVSKAYA, Ye.L., red.izd.; BERESLAVSKAYA, L.Sh., tekhn.red.;
ALADOVA, Ye.I., tekhn.red.

[Working gently sloping seams at great depths] Razrabotka pologopadaiushchikh plastov na bol'shikh glubinakh. Pod obshchei red. SwM.Lipkovicha. Moskva, Ugletekhizdat, 1958. 209 p. (MIRA 12:2)

1. Stalino. Donetskiy industrial nyy institut. 2. Donetskiy industrial nyy institut (for all except Lipkovich, Shushkovskaya, Bereslavskaya, Aladova)

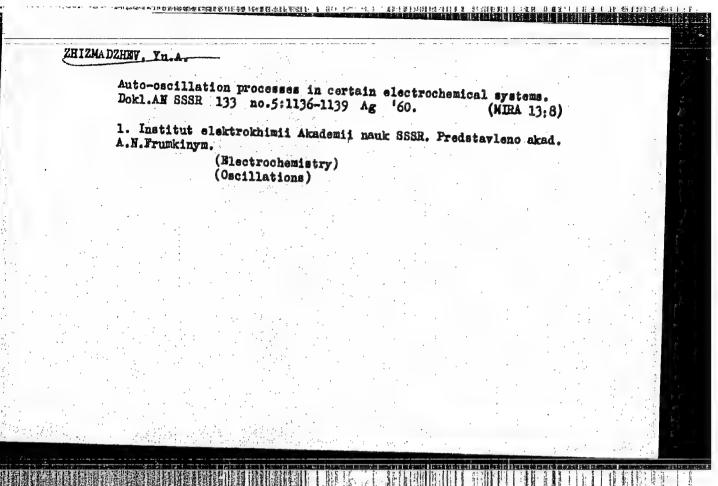
(Coal mines and mining)

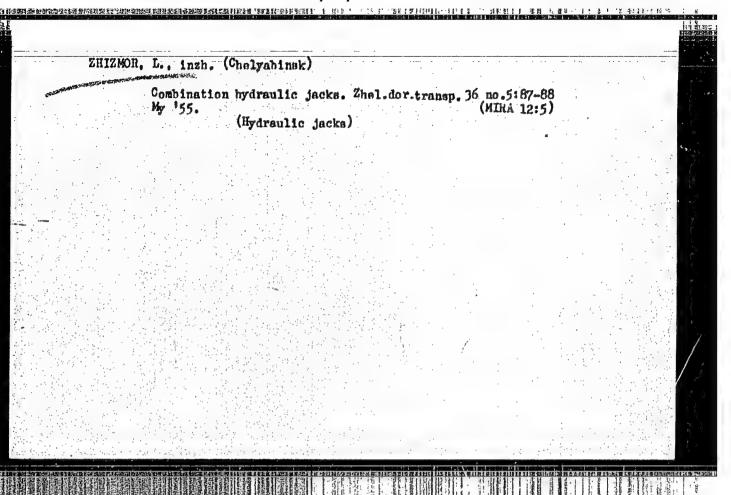


GOYKHMAN, Gerts Israylevich, prof. [deceased]; LIPKOVICH, Samuil Moiseyevich, dotsent; ZHIZMOV, Biboley Il'ich; SAPITSKIY, Konstantin Fedorovich; SEREDWYAKOV, P.Ia., otv.red.; SHUSEKOVSKAYA, Te.L., red.isd-ve; MADRINSKAYA, A.A., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red.

[Manual of problems on underground coal mining] Zadachnik po podsemnoi rasrabotke ugol'nykh mestoroshdenii. Moskva, Ugletekhisdat, 1958. 327 p. (MIRA 12:2)

(Coal mines and mining)





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NVENTORS:	Morozov, Ye. I.	.; Musatov, M.	I.; Zhiznev, V.	S.		
RG: none						
TTLE: A 1 5. 181668	method for pouris	ng molten meta	l from lined vac	uum arc furn	aces. Class 18	
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ZHIZNEVSKAYA, G. Ya., Candidate of Biol Sci (diss) --- "The effect of the trace elements (Cu, B, Mn, Zn, Mo) on the biochemical aspects and harvest of corn". Riga, 1959. 25 pp (Acad Sci USSR, Botanical Inst im V. L. Komarov), 150 copies (KL, No 22, 1959, 111)

. USSR/Soil Science. Mineral Fertilizers

J-5

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91470

Author

¿ Zhiznevskaya G.Ya.

Inst

: AS Latvian SSR

Title

: A Comparative Estimation of the Effect of Microelements on

Corn and Flax, Depending on the Soil Conditions.

Orig Pub : Izv. AN LatvSSR, 1957, No 11, 65-80

Abstract : The results of vegetative and field tests, carried out in the Institute of Biology of the Academy of Science, Latvian SSR, showed that on a lined turf-podzolic field, corn did practically not respond to the application of boron; the crop of flax straw with boron rose by 19 o/o, but the crop of flax seeds by more than three times. On the chalked acid turf field, boron increased the yield of cobs by 38 o/o. The presowing treatment of the seeds with a 0.015 o/o solution of borex and top-dressing improved the crop on both fields. In the field tests, top-dressing corn with a 0.01 o/o solution of zinc sulfate boosted the green yield

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'USSE/Soil Science. Mineral Fertilizers

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Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91470

by 15-16 o/o, the seed treatment with zine Thosphide by 16 o/o. On the turf-podzol and peat fields which were poor in assimilable copper, copper clearly showed positive effect on the corn and flax yield; on the peat fields the crop of corn cobs increased with an application of Cu by 62.7 o/o, the crop of flax seeds by 30 times. On the turf-plozolic soil the presowing treatment of the seeds with Cu-solutions had a more beneficial effect on the crop of corn cobs, than the application directly to the soil. Manganese applied to the limed peat field increased only the crop of green corn cobs by 9-16 o/o. The crop of flax straw rose under these conditions by 19 o/o, the seed yield by more than three times. -- A.M.

Shehepetil nikova

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34

PEYVE,	Ya.V.; ZHIZNEVSKAYA, G.Ya.; KRAUYA, A.Ye.
	Effect of copper on the carotinoid content of plants Fiziol. rast. 8 no.4:449-453 161. (MIRA 14:11)
	1. Institut of Biology, Latvien S.S.R. Academy of Sciences, Riga.
	(Plants, Effect of copper on) (Carotinoids)
	조선물의 하는 보고 있는 것이 되어 있다. 현실이 되었다. 15 - 보고 있는 것이 되었다. 15 - 15 - 15 - 15 - 15 - 15 - 15 - 15

ZHIZNEVSKAYA G. Ya., PETIVE Ya. V. (USSR)

"Change in the Nitrate Reductase Activity in Plants Caused by Molybdenum and Copper."

Report presented at the 5th Int'l Biochemistry Congress.
Moscow, 10-16 Aug. 1961

ZHIZNEVSKAYA Ya., PEYEVE Ya.V., KRAU-BERZIN Ya. (USSR)

"Effect of Copper on the Content of Carotenoids and Chlorophyll
in Plant Leaves."

Report presented at the 5th Int'l Biochemistry Congress,
Moscow, 10-16 Aug. 1961

11. LIV-VIAIT, F.V DEMESHEVA, G.A.; IVANCHIKOVA, E.I.; ERIVOSHAPKIN, M.A.; LEYCHIK, V.M.; OVSYANKINA, V.I.; FROMTISTOVA, V.P.; TSINMAN, M.Z.; HEKKULOVA, S.N.; SUBKHANBERDINA, K. Kh.; RURAKOV, P.J., laureat Stalingkoy premil. spetsial'nyy redaktor: HALANINA, O.V., kandidat sel'skokhosyaystvennykh nauk, spetsial'nyy redaktor; SAKHAROVA, V.M., spetsial'nyy redaktor; Kosenko, V.V., spetsial nyy redaktor; ZHIZNEVSKIY, F.V otvetstvennyy redaktor; BURLACHENKO, L.A., redaktor; ALFEROYA, P.V., tekhnicheskiy redaktor [Experience of agricultural leaders of Kazakhstan; an annotated bibliography] Opyt peredovikov sel'skogo khoziaistva Kazakhskoi SSR; annotirovannyi ukazateli literatury. Alma-Ata, 1955. 290 p. (MIRA 9:12) 1. Akademiya nauk Kasakhakoy SSR, Alma-Ata. TSentral naya nauchnaya biblioteka. 2. TSentral naya nauchnaya biblioteka Akademii nauk Kazakhskoi SSR. (for Demesheva; Ivanchikova, Krivoshapkin, Leychik, Ovsyankina, Feoktistova, Tsinman) (Bibliography-Kazakhstan-Agriculture)

ZHIZNEVSKIY, G. A.: Master Med Sci (diss) -- "A physiological-hygienic evaluation of the insecticide NIUIF-100". Minsk, 1957. 18 pp (Minsk State Med Inst and Vitebsk State Med Inst) (KL, No 13, 1959, 111)

Ot. Poxicity of the Organophorus Insecticide NIIII

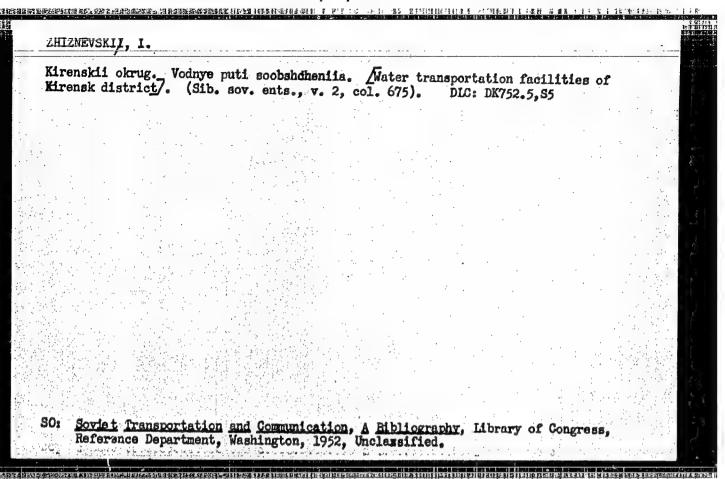
"Toxic Properties of the Poisonous Chemical NIUIF-100 and Prophylactic Measures for Occupational Intoxications," by G. A. Zhiznevskiy, Chairs of Hygiene (head, Prof Z. K. Mogilevchik) and Fharmacology (head, Prof K. S. Shadurskiy) Minsk Medical Institute, Zdravookhraneniye Belorussii, Vol 3, No 5, 57, pp

Reports results of investigations conducted to determine the toxicity of the organophosphorus compound NIUIF-100, and its effect on the organism. It is supplied to consumers either in the form of a thick oily dark-brown liquid with an unpleasant garlic-like odor, consisting of 30 percent die-there chemical ingredients, or in the form of a dust containing one percent of DNFTF in a kaolin or talcum base. NIUIF-100 is a highly effective insecticide. At the same time, it was found to be highly toxic to warm blooded animals. Experiments conducted on mice and dogs established:

(1) MIUIF-100 is a potent poison with a narrow zone of toxic action; (2) disthylparanitrophenylthiophosphate which produces a muscarine-like effect; disthylparanitrophenylthiophosphate which produces a muscarine-like effect; observed in dogs fed with food which contained 5-2.5 milligrams of DNFTF in one kilogram of feed. (U)

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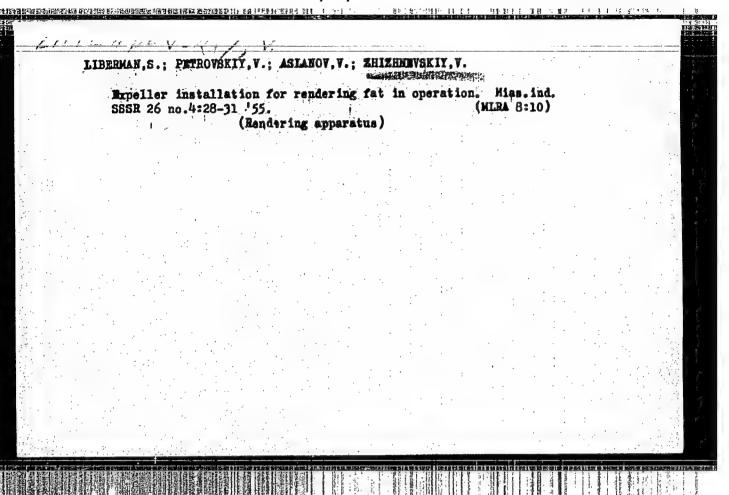
AMIRIDI, V.F.; ZHIZHNEVSKIY, G.O., red. [Filming of television shows from kinescope screens] Kinos*enka televizionnykh izobrazhenii s ekrana kineskopa. Moskva, Gos. kom-t po radioveshchaniiu i televideniiu, 1963. 89 p. (MIRA 17:9)



ZHIZHNEVSKIY, V.; BAKANOV, P.

Practice in using expelling machinery for remdering fat.
Mins.ind.SSSR 27 no.1:16-18 '56. (MURA 9:6)

1.Zhirovoy tsekh Moskovskogo myasokombinata.
(Oils and fats) (Moscow--Packing houses--Equipment and supplies)



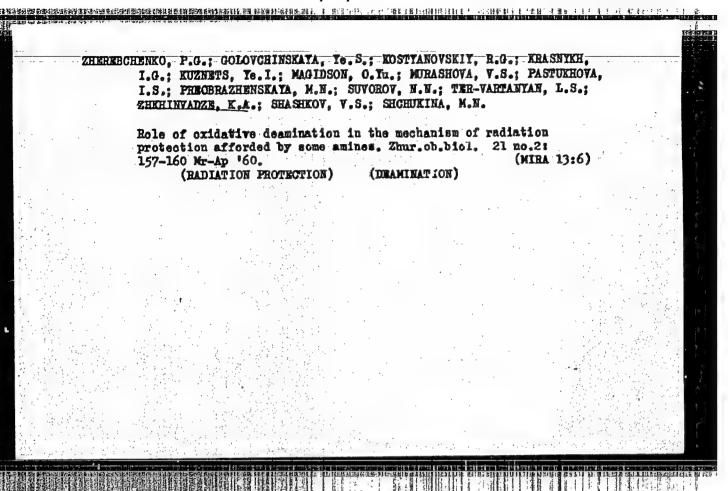
- 1. KONDRISHOV, A.: ZHIZHNOVSKIY, V.
- 2. USSR (600)
- 4. Oils and Fats
- 7. Useful book ("Handbook of fat production." S.C. Liberman, V.P. Petrovskiy).
 Mias. ind. SSSR 23. no. 5. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ZHIZNEVSKII. F. Ted.; ZALENSKII, N., red.; LYAKHOVETSKAYA, T., red.;

(HABARNIK, A., otv. za vypusk; ZLOBIN, N., tekhn.red.

[Flourish, territory of virgi lands] Tsveti, tselinnyi krai.
Alma-Ata, Kazakhekoe gos.isd-vo, 1958. 325 p. (MIRA 13:4)
(Kazakhetan-Reclaration of land)



ACCESSION NR: AP4040693 S/0135/64/000/006/0001/0004
AUTHOR: Nikiforov, G. D. (Candidate of technical sciences);
Zhiznyakov, S. N. (Engineer)

TITLE: Weldability of heat-resistant SAP material in fusion welding

SOURCE: Svarochnoye proizvodstvo, no. 6 (630), 1964, 1-4

TOPIC TAGS: sintered aluminum powder, SAP, SAP weldability, SAP fusion welding, SAP weld, weld property, TIG weld, HIG weld

ABSTRACT: The unsatisfactory weldability of SAP parts noted in fusion welding is caused chiefly by the presence of oxide films enveloping each metal particle. The weldability can be greatly improved by vacuum annealing of SAP billets at 650—680C prior to rolling. Weldable SAP sheets are obtained in this way. They have higher ductility and almost the same tensile and yield strength as those of conventionally processed SAP sheets. Weldable SAP sheets can be successfully welded with an argon shielded arc, with or without flux. It is advisable to weld 1.0-mm-thick sheets without any

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	gap, using the TIG process without a gap, but in	• Sheets 1.5 mm th	ick can be wald.		
27	the strength of CAB	1.4.	e ure brocess 18	recommended	
1 1	ture and 96% at snow.	17-13-14	ARDE MERRY FOR LO	OM temperas	
., [other aluminum alloys. ASSOCIATION: none	Origi art. has:	8 figures and 2	tables.	
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NIKIFOROV, G.D., kand. tekhn. nauk; ZHIZNIAKOV, S.N., inzh.

Weldability by the fusion method of a SAP-type (sintered aluminum powder) heat-resistant alloy.Svar. proizv. nc.6:
1-4. Je *64. (MIRA 18:2)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut.

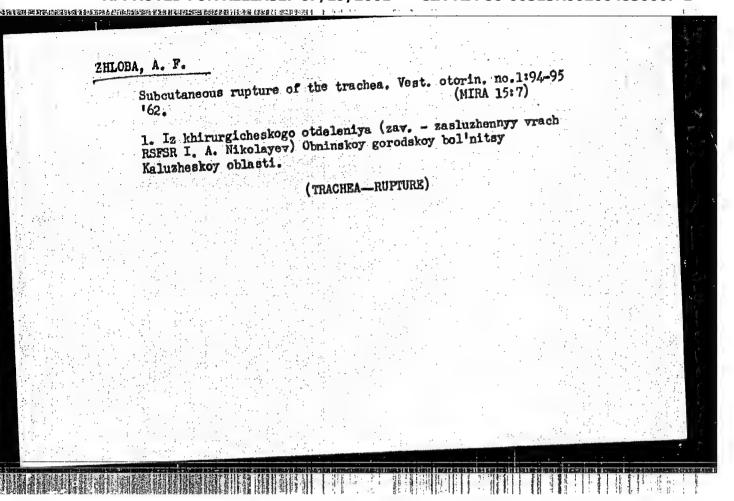
MEKLER, L.B.; DOBRETSOV, G.Ye.; ZHKANOV, V.M.

Cytochemical and immunchemical analysis on the level of electron microscopy; general approach to the problem. Vop. virus. 9 no.3: 271-275 My-Je 164. (MIRA 18:1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

V.I.; ZHKHAF			4. (1914)				•
Detection of	chloronit	robenzenes	e. Zhur. e	anal. khim.	19 no.1	1: 18:2)	
1. I.M. Gubk		Institute	of Petro	leum Chemis	try and	Gas	
Industry.							

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	Sirotinskiy (Seventi Sirotinskiy (Seventi Prof P. C. Zhlanov, Dr Prof Dr Tech Sci, Frof Sci, Docent, A. S. Se Sci, Docent, A. S. Se



ZHLOBA, A.F. (Kaluzhskaya oblast, g. Obninsk, prosp. Lenina, d.44, kv.49)

Puncture of the abdominal cavity as a supplementary method of diagnosis of acute surgical abdominal diseases. Klin.khir. no.9: 41-45 S *62. (MIRA 16:5)

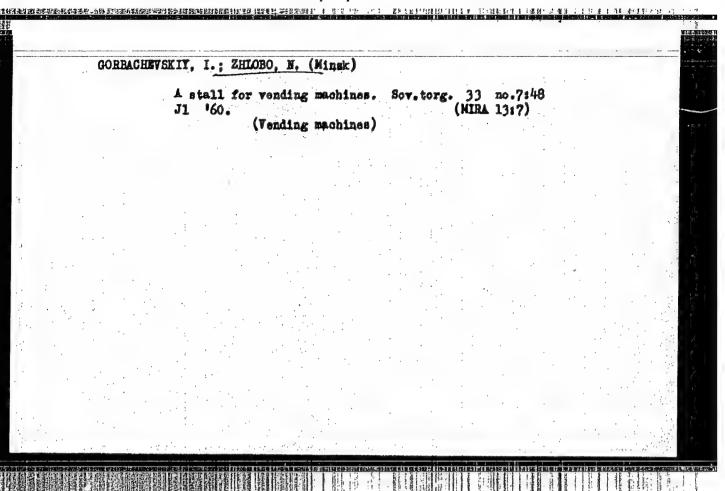
1. Kafedra khirurgii II (zav. - prof. G.A. Comzyakov) Leningradskogo instituta usovershemstvovaniya vrachey i khirurgicheskoye etdeleniye (zav. - A.F. Zhloba) Tomskogo bol'nicimo-poliklinicheskogo ob"yedineniya.

(ABDOMEN-PUNCTURE)

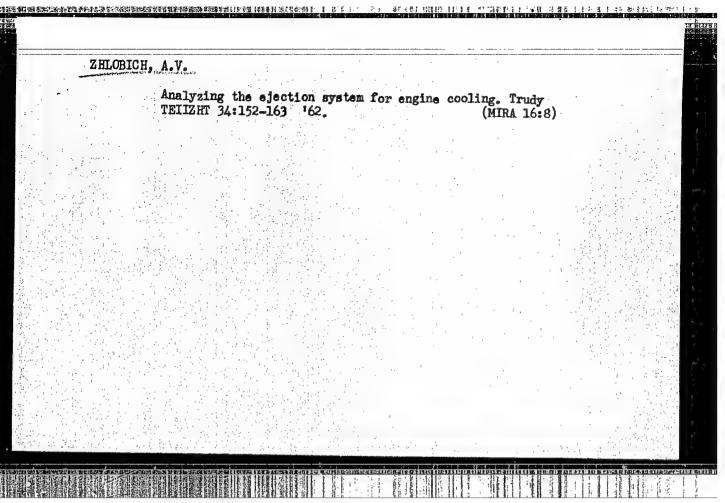
ZHLOBICH, A.V., kand. tekhn. nauk

Expediency and feasibility of an ejection cooling of engines.
Avt. prom. 30 no.9:3-4 S '64. (MIRA 17:10)

1. Belorusskiy tekhnologicheskiy institut imeni S.M. Kirova.



Use of a two-channel capacitance-type pressure indicator for studying an ejector with pulsating gas flow. Izv. vys. ucheb. zav.; energ. 4 no.8:70-76 Ag '61. (MIRA 14:8)
1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S.M. Kirova (for Belov). 2. Tomskiy elektromekhanicheskiy institut inzhenerov zheleznodorozhenogo transporta (for Zhlobich).
(Gas and oil engines—Cooling) (Pressure gauges)



。可有点表示,但是特别是常用的工程是不能的问题和解释的的言言是「他们是所谓了自己的目子」。 1 。 1

28573 S/143/61/000/008/005/005 D203/D305

26.2160 AUTHORS:

Belov, Ye. M., and Zhlobich, A.V., Engineers

TITLE:

Application of a two-channel capacitance indicator of pressure for investigating an ejector with a

pulsing gas flow

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Energetika,

no. 8, 1961, 70-76

TEXT: The authors describe an electronic pressure-capacitor indicator with an oscilloscopic registration of the pressures derived for studying the behavior of the gas ejectors of impulse gas turbines. This indicator was developed at the Tomsk Thermo-Technological Laboratory TEMNNT(TEMIIT) as one of the devices for studying the pulsating flows from the ejectors' outgoing gases which are utilized in the impulse turbines. The latter are used as the power for air cooling in a number of engines, e.g. tractor 4T3(ChTZ) of 250 hp TATRA engines, Porsche motors, diesel compressor 2CK (2SK) and others. The behavior of the gas flow in

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Application of a two-channel ...

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the cross-section of the nozzle depends on the number and the order of the joint outlets and varies in character from an unstable and intermittent shape to a continuous pulsing, approaching a steady flow. According to experiments it was found that the ejector output which is evaluated by a coefficient of ejection, substantially increases with the presence of breaks between the separate gas pulses. It was found that the coefficient of ejection of an intermittent, pulsing flow q_p increases with the frequency γ , with the decrease in consumption of the gas $\frac{G_1}{G_1 \max}$, and increases with parameter $\frac{T}{T}$. The coefficient of ejection is $q_p = \frac{G_2^2}{G_1}$, where G_1 — the output by weight of the active ejecting medium, $G_1 \max$ — the output with acoustic velocity in the nozzle, G_2^n — the output by weight of the passive (ejected) medium, — equal to time of gas flow from the nozzle during the period of pulsation T. Fig. 1

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Application of a two-channel ...

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shows the results of an experiment $\frac{q_p}{q_{ST}} = f(\upsilon)$, with various values of $\frac{\tau}{T}$ at a constant consumption of gas $\frac{G_1}{G_1 \text{max}} = 0.3$. The characte-

ristics were obtained for an ejector, having the mixture chamber of $D_{KS}=52$ mm, diameter and length of 7 calibers, a diffusor of length $L_{\Lambda}(L_D)=248$ mm and conical nozzle with a diameter $d_S=18$ mm. Fig.2 shows the variation of the coefficients of ejection q_p and q_{ST} depending on the length of the mixing chamber $\frac{L_{KC}}{d_{KC}}$, the experiments

being carried out with an ejector without the diffusor and with the diameter of the mixing chamber $d_{KS} = 52$ mm, pulsing frequency v = 10/sec, and where $\frac{E}{T} = 0.36$. The experiments have shown that with some dimensions of the sucking main inlet of the ejector and in some frequency ranges resonances appear with an ejector in the sucking pipe conductor with diameter 92 mm, and 930 mm long; it Card 3/9

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was possible to increase the coefficient of ejection by 10 to 12%, at a frequency v = 7 to 10 per sec. and at $\frac{x}{4} = 0.36$ (curve a, Fig. 1). A block diagram of the two-channel capacitance indicator is then shown and described. The authors explain the function of the indicator in an example of the second channel, which is the most sensitive, in Fig. 4. A signal generator of lamp $\mathcal{N}_16\%8$ (L₁6Zh8) with an inductive T, and having a frequency of 290 Kcps and generating oscillations with an amplitude of 75V was considered. A good selection was obtained by acreening, filters and h.f. chokes. The differences in frequency of generators 0.2 Kcps was accounted for. By condenser G6 it is possible to vary somewhat the frequency of the signal generator. A bridge balance is composed of inductive capacitance impedances, one of the arms of the bridge working as indicator, a diaphragm and a stationary plate, the inductances being connected in opposition. Because of the capacitance change (action of gases on diaphragm), the voltage in the bridge is modulated. A high channel sensitivity is obtained by using a thin diaphragm 0.07 mm and a 3 stage amplifier (x 10,000). The output Card 4/9

Application of a two-channel

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is detected and, acting on the cathode repeater \mathcal{N}_4 6/16C (L_46P6S) changes the anode current up to 50 µA in the case of unbalance. Finally, the authors discuss the presence of intermittent pulsing flows in ejectors recorded on oscillograms by a two-channel capacitance indicator. Indirect experiments have shown the complicated nature of the behavior of the gas flow on an ejector, with the conclusion that the dimensions of an optimal ejector for the intermittent pulsing flow differ from those of an ejector for a constant gas flow. There are 6 figures and 6 Soviet-bloc references.

ASSOCIATION: Tomskiy ordena trudovogo krasnogo znameni politekhnicheskiy institut imeni S.M. Kirova (Tomsk Order of the Red Banner of Labor Polytechnic Institute imeni S.M. Kirov) (Belov); Tomskiy elektromekhanicheskiy institut inzhenerov zheleznodorozhnogo transporta (Tomsk Electrical-Mechanical Institute of Railroad Transportation Engineers)

SUBMITTED:

July 23, 1960

Card 5/9

Reviews and bibliography. Trakt, 1 sel'khozmash. no.5147... 48 (MIRA 18:6)

1. Belorusskiy tekhnologicheskiy institut im. S.M. Kirova.

S/123/61/000/007/026/026 A004/A104

AUTHOR:

Zhlobich, A.V.

TITLE:

Some peculiarities of ejectors operating in a pulsating gas flow

PERIODICAL:

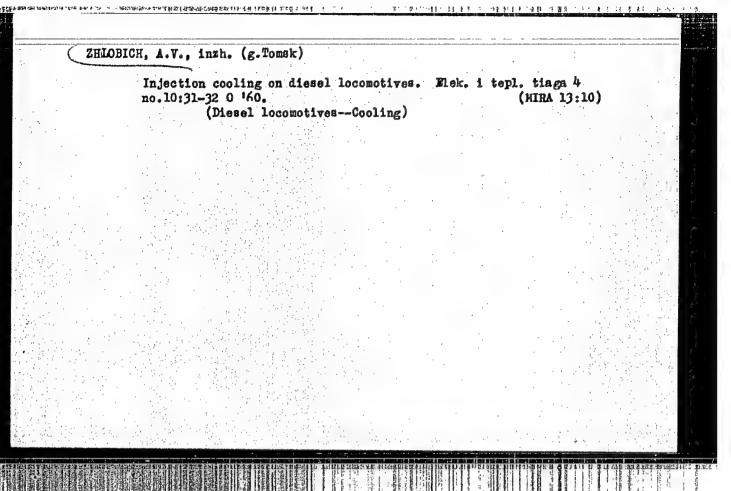
Referativnyy zhurnal, Mashinostroyeniye, no. 7, 1961, 31, abstract 7I211 ("Sb. nauchn. tr. Tomskiy elektromekhan. in-t inzh. zh.-d. transp.", 1960, v. 29, 214 - 225)

TEXT: The author carried out experimental investigations of the ejector operation in a pulsating air flow of 3,000-3,500 mm Hg (the installation layout includes a special pulsator). The efficiency of the ejector at a continuous flow does not depend on the pulsation frequency and is equal to the ejector efficiency at a stationary flow. Ejectors operating in a discontinuous pulsating flow have a higher productivity, depending on the frequency, amplitude and character of pulsation, then stationary ones. The efficiency of pulsating ejectors is lower than that of stationary ones.

[Abstracter's note: Complete translation]

I. Barskiy

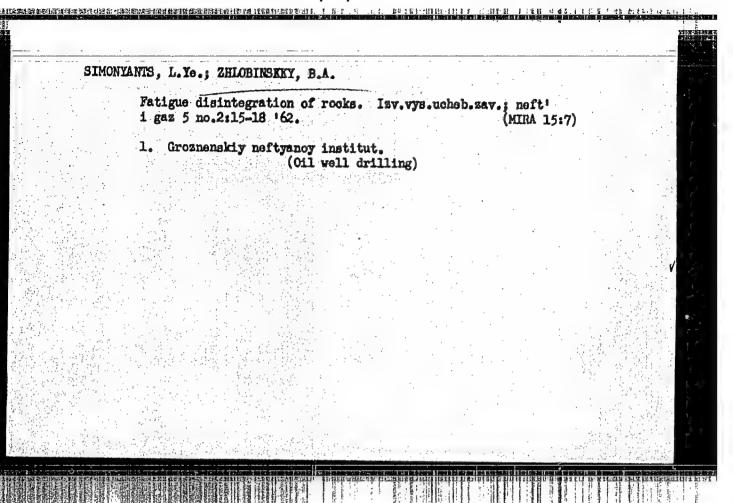
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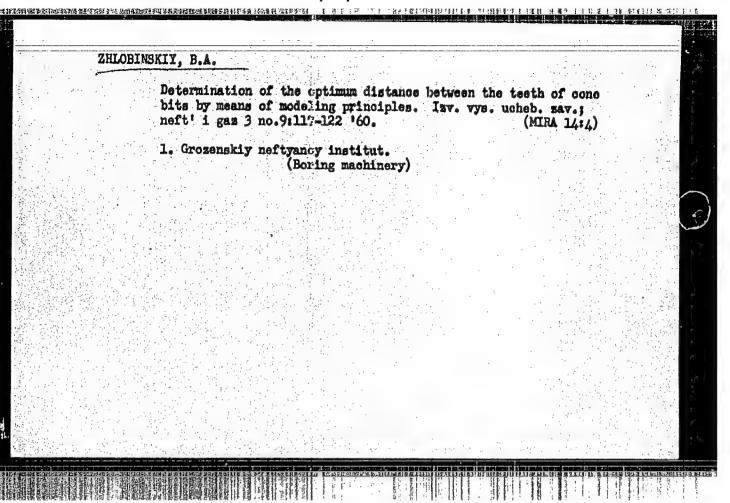


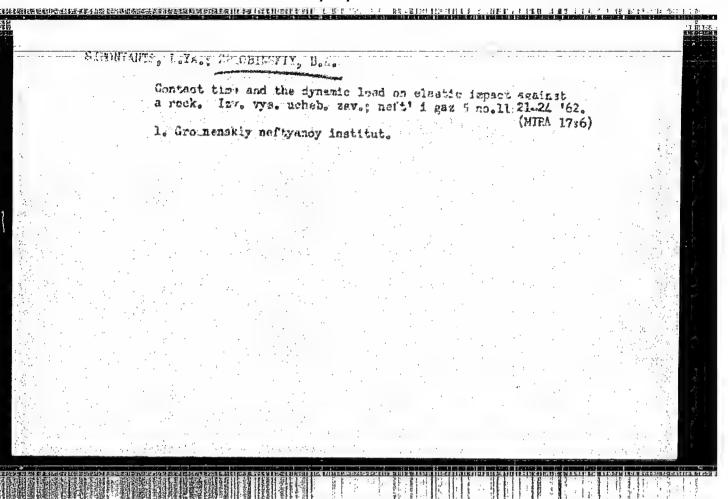


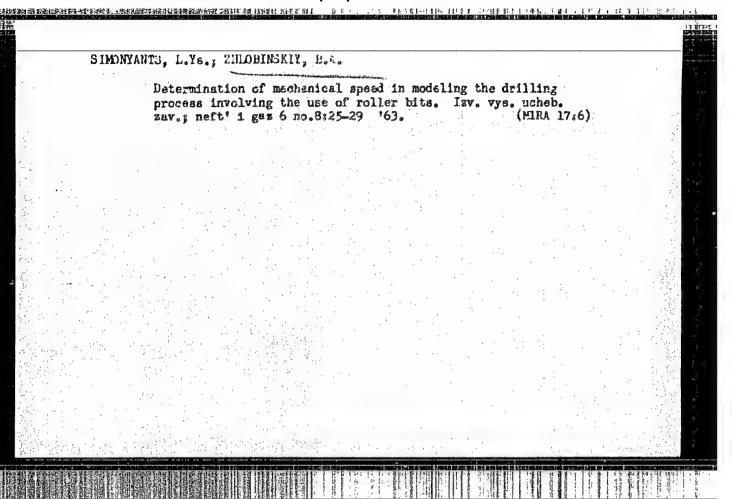


ZHLOBINSKIY, B. A. Cand Tech Sci - (diss) "Study of the effect of the main natural and technical factors on the fatigue strength of clayey-carbonate mountain rock in drilling with ball-shaped chisels." Baku, 1961. 13 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azer Order of Labor Red Banner Inst of Petroleum and Chemistry imeni M. Azizbekov); 250 copies; free; (KL, 7-61 sup, 236)

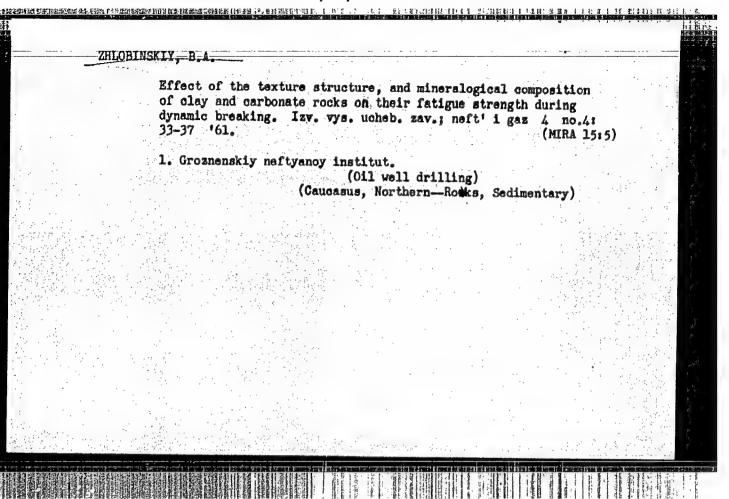


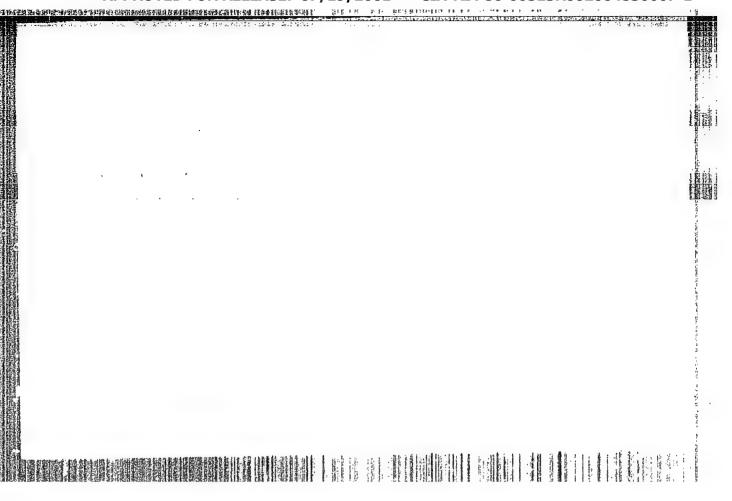


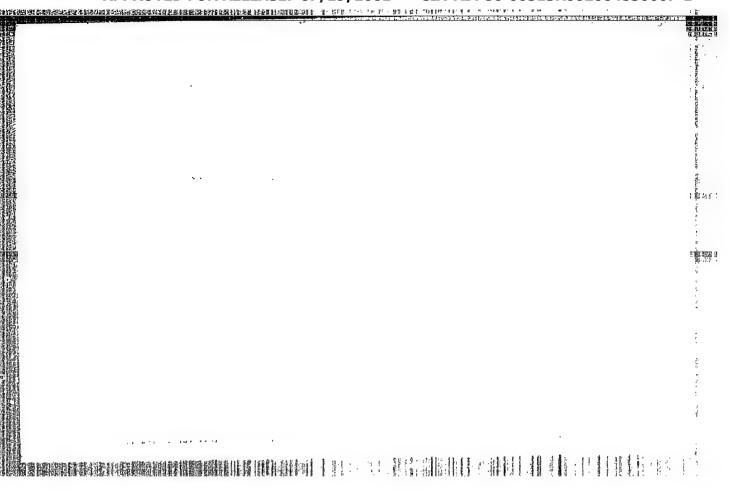


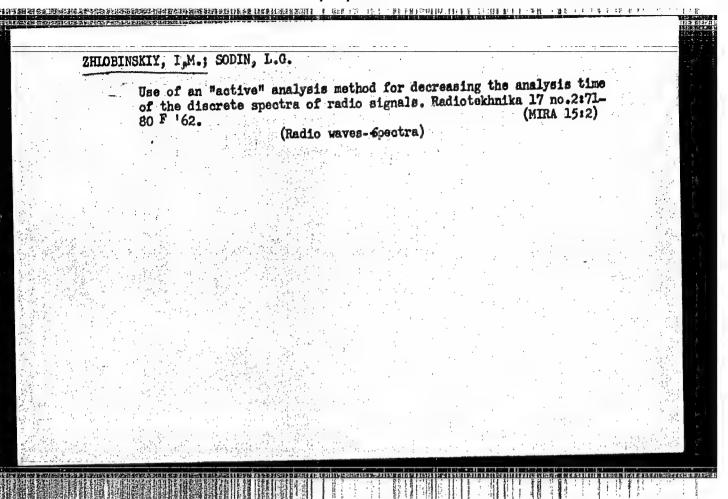


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The effect of plasticity on the disintegration of rocks. Izv. vys. ucheb. zav.; neft' i gaz 7 no.3:19-23 '64.											
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s/108/62/017/002/010/010 D201/D305

6.4770 AUTHORS:

Zhlobinskiy, I.M., and Sodin, L.G., Members of the

Society (see Association)

TITLE:

Reducing the analysis time of discrete radio signal spectra by applying the 'active' method of analysis

PERIODICAL: Radiotekhnika, v. 17, no. 2, 1962, 71 - 80

TEXT: The resolving capability of a panoramic analyzer working on the principle of sequential analysis, is determined by the passband b of the analyzing filter, and is related to the time of analysis T and the swept band S by the known relationship

 $b_{0.7} = 0.665 \quad \sqrt{\frac{S}{\pi}} = 0.665 \quad \sqrt{FS}$ (1)

where F - the sweep frequency. A.N. Virskiy and V.A. Martynov (Ref. 2: Sposob uvelicheniya skorosti posledovatel nogo analiza spektra (A Method of Increasing the Speed of Sequential Spectrum Analysis) Author's certificate No. 134716) have independently of each other, suggested a method of shortening the analysis time with a constant Card 1/2

33795 \$/108/62/017/002/010/010 D201/D305

Reducing the analysis time of ..

resolving capability of the analyzer. The method consists in the intervals between the adjacent spectral lines being swept quickly and decreasing the change in frequency (γ = FS) when it reaches the value determined in (1). The decrease should be automatic by acting on the sweep generator by the filter system output pulses. It is suggested in Ref. 2 (Op.cit.) that the sweep speed be controlled directly by the pulse signals. In conjunction with the above the authors suggest two distinct speeds of analysis: Large (γ_1) — in the intervals between the signals and small (γ_8) — in the presence of signals. According to (1) the following condition should be satisfied

 $b_{0.7} = 0.665 \ \sqrt{\gamma_8} \ . \tag{2}$

The block diagram of the suggested circuit, with which a larger saving in time could be achieved is given in Fig. 4. As may be seen the proposed circuit has a separate filtering system which controls retardation of the sweep. The analysis of the above circuit shows that the parameters of the control system b_{0.7c} - the 3 db band-Card 2/84

33795 S/108/62/017/002/010/010 B201/7705

Reducing the analysis time of ...

width of the control system, γ_1 - high sweep speed and d_{1c} - the operating level of the control delay system should be taken from

b
0.7st.c.opt. $\stackrel{=}{\sim}$ b 0.7st.f $\sqrt[3]{\frac{4}{Bk_{s_{c}}p_{o}}}$ (10)

and

$$\gamma_{1 \text{ opt}} = \gamma_{s} \sqrt[3]{\frac{16B}{p_{0}^{2}k_{s_{c}}^{2}}}$$
 (11)

where b_{0.7}st.c.opt. - the optimum static 3 db bandwidth of the control channel, b_{0.7}st.f - the 3 db static bandwidth of the filter channel, B = γ_1/γ_s , k_{sc} - the rectangularity factor of the control channel at the static operating level d_{st.c} of the delay channel, and parameter p_o = N_o b_{0.7}f/S where N_o - the number of signals present in the swept frequency band. The d_{1.c} should be taken as $\sqrt{2}$ Card $3/\beta_{4}$

33795 S/108/62/017/002/010/010 D201/D305

Reducing the analysis time of ...

and p \approx 0.05. The analysis shows that the control channel should have a minimum number of stages ($n_c = 1 \% 2$) for small dynamic range of input signals, for 40 % 60 db range of input signals n_c should be increased to 4 % 5. A still greater reduction of the analysis time may be obtained if the filter of the control channel is detuned in the direction opposite to the change in frequency, since in this case the bandwidth may be decreased without the danger of 'sealing-in'. This decrease should be kept small, otherwise the sensitivity of the analyzer will be decreased. There is 1 table, 11 figures and 2 Soviet-bloc references.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi imeni A.S. Popova (Scientific and Technical Society of Radio Engineering and Electrical Communications imeni A.S. Popov) [Abstractor's note: Name of Association taken from first page of journal]

SUBMITTED:

March 7, 1961

Card 4/84

76(4), 7(7)

AUTHORS:

Zhlobinskiy, I. M., Sodin, L. G.

SOV/108-13-12-6/12

TITLE:

Methods of Calculating and Eliminating Interference Disturbances Occurring During Frequency Transformation (Metody rascheta i ustraneniya kombinatsionnykh pomekh, voznikayushchikh pri preobrazovanii chastoty)

PERIODICAL:

Radiotekhnika, 1958, Vol 13, Nr 12, pp 45-52 (USSR)

ABSTRACT:

The present paper sets out from the consideration of the conditions that are necessary, and not only sufficient, for suppressing interference disturbances. As far as the receiving range is subdivided into some sub-areas the choice of the intermediate frequencies and of the sub-areas is made easier by a sufficient attenuation of the interference disturbances. The task is not to choose an intermediate frequency being lower or higher than those frequency values at which the formation of interference disturbances at any signal frequency is possible but in being able to choose the intermediate frequency for the respective range of signal frequencies between the values at which the dangerous interferences occur. The conditions for the occurrence of interference disturbances are investigated and the

Card 1/2

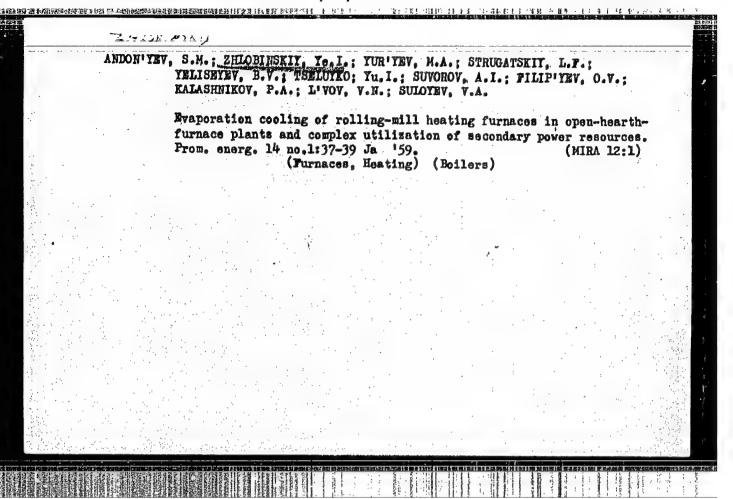
Methods of Calculating and Eliminating Interference Disturbances Occurring at Frequency Transformation

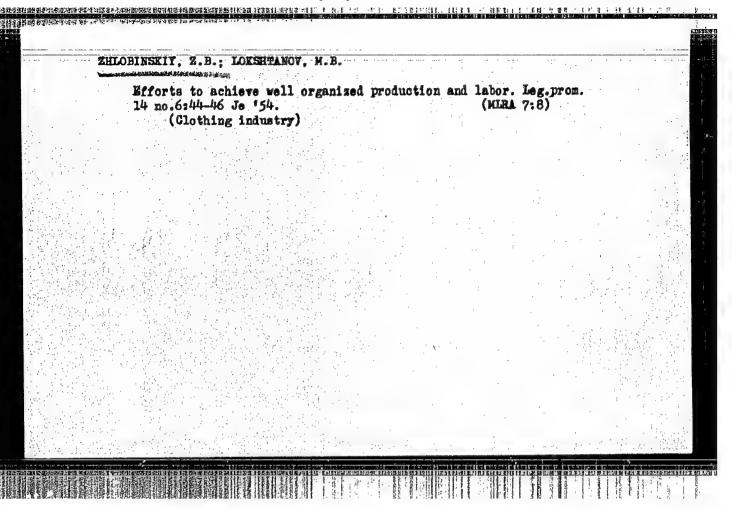
formulae for the determination of the frequency of the signal forming the combined interference at the frequency transformation are derived. The conditions for eliminating this interference are investigated. A graphical method is given whereby the intermediate frequency of an aural or panoramic receiver can easily be chosen. There are 5 figures and 4 Soviet references.

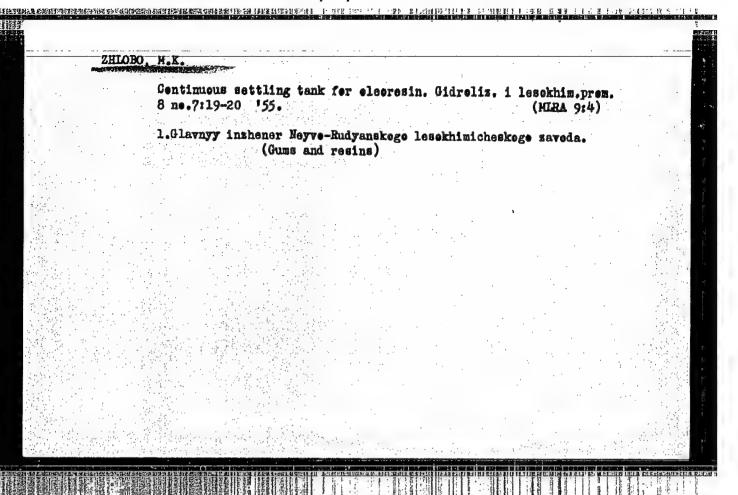
SUBMITTED:

April 15, 1957

Card 2/2



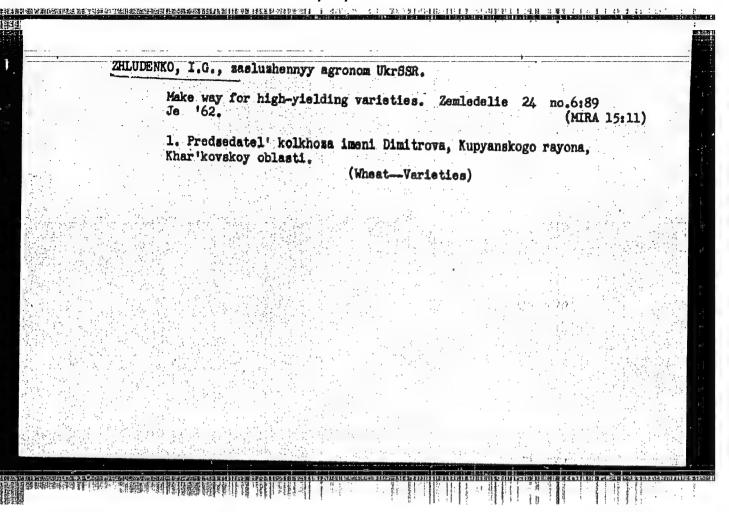




- 1. ZHLOBO, M.-K.
- 2. USSR (600)
- 4. Wood Distillation
- 7. In creative cooperation with the Central Scientific Research Institute of Wood Chemistry. Der. i lesokhim. prom. 1 no. 4. 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

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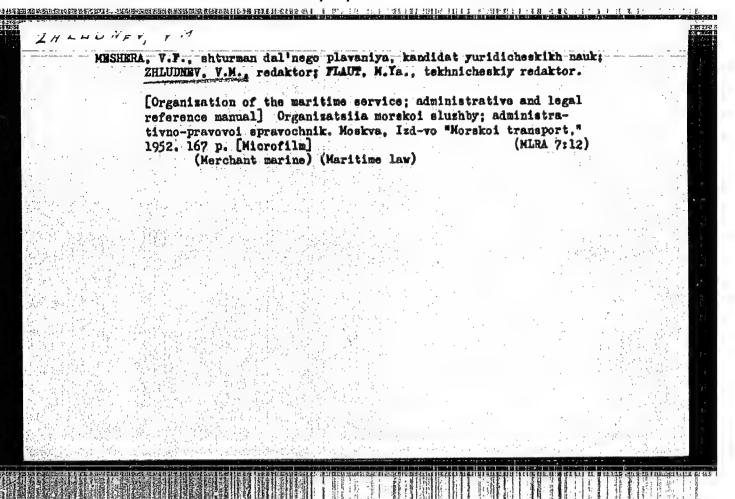


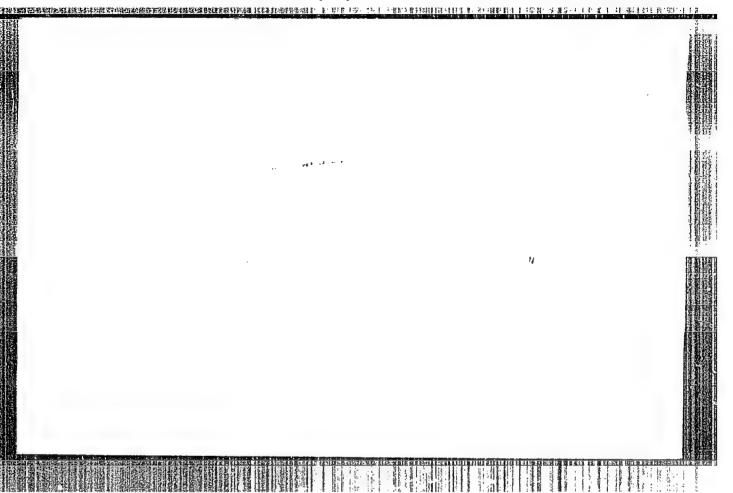
ZHLUD'KO, A.D.

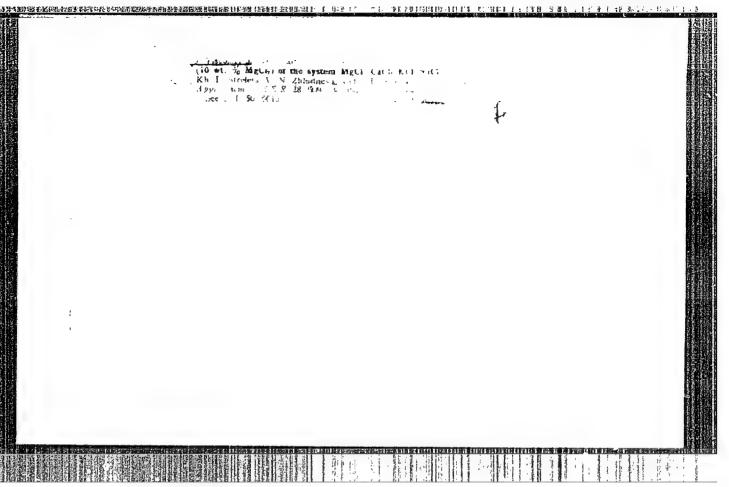
Zhlud'ko, A.D. [Fizicheskiy institut imeni P.N. Lebedeva AN SSSR (Physical Institute imeni P.N. Lebedev, AS USSR) A Method of Measuring Temperature Functions and of Solid Dielectrics in the Decimeter Band of Radio

(The Physics of Dielectrics; Transactions of the All-Weben Caldwisson on the Physics of Dielectrics) Mosecus, Ind-vo AR SSEN, 1953. FLS 6. 1950 ecology printed.

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Subject 3 : USSR/Chemistry

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Card 1/1

Pub. 152 - 15/21

Authors

Strelets, Kh. L., V. N. Zhludneva, and I. L. Reznikov

Title

Viscosity of fused salts of the isoconcentration section (MgCl2, 10% by weight) of the system MgCl2-CaCl2-KCl-NaCl

Periodical

Zhur. prikl. khim., 28, 6, 643-651,

Abstract

The viscosity was determined by the Coulomb method. The experimental data show that the viscosity of the quaternary electrolytes is not an additive function of the composition. The effect of the concentrations of KC1, NaC1, and CaCl2 on the viscosity of the electrolytes has been studied. Seven tables, 3 references, 2 Russian

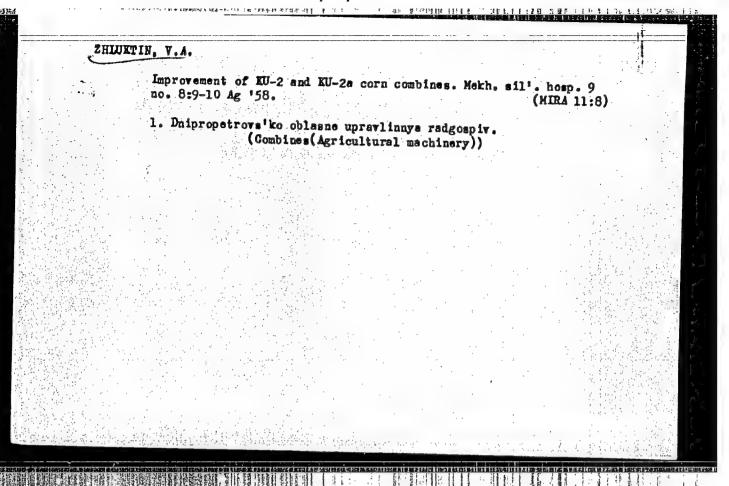
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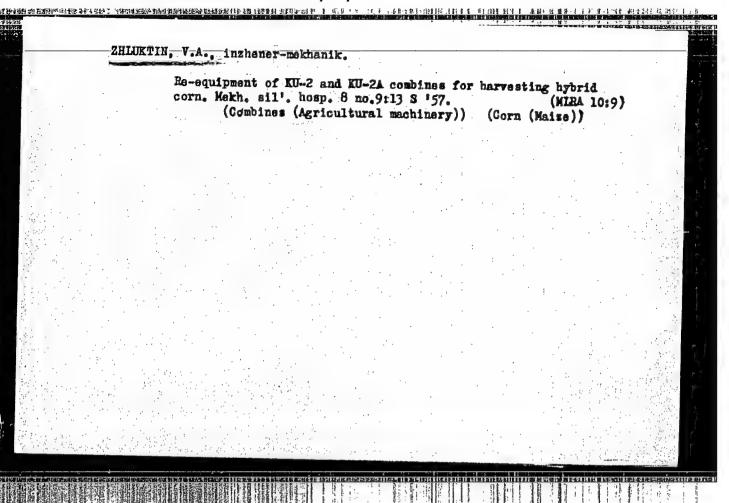
Institution

None

Submitted '

0 9, 1953





CIA-RDP86-00513R002064830007-1" APPROVED FOR RELEASE: 07/19/2001

ZHMACHENKO, F., general-polkovnik

Ukraine develops the construction of motordromes. Za rul. 16
no. 5:4 My '58. (MIRA 11:7)

1. Predsedatel' respublikanskogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu USSR. (Ukraine-Motorcycle racing)

ZHMACHENKO, F., Geroy Sovetskogo Soyuza.

More attention to aeronautic sports. Kryl. rod. 8 no.8r4-6 Ag '57.

(MIRA 1019)

1. Predsedatel' respublikanskogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatnii i flotu Ukrainskoy SSR.

(Aeronautics) (Military education)

	Radio amateure of Series	
	Radio amateurs of Soviet Ukraine. Radio no.7:4-5 Jl 157.	
	1. Predsedatel! respublikanskogo komiteta Dobrovol'nogo obshchestva	
	(UkraineAmateur radio stations)	
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ZHMACHENKO, F

107-57-7-5/56

AUTHOR: Zhmachenko, F., Chairman of the DOSAAF Committee, UkrSSR

TITLE: Radio Hams of the Soviet Ukraine (Radiolyubiteli sovetskoy Ukrainy)

PERIODICAL: Radio, 1957, Nr 7, pp 4-5 (USSR)

在大型中,可以在各种的一个工程,但是一个工程的一个工程,但是一个工程的一个工程的,但是一个工程的一个工程的一个工程的工程,但是一个工程的工程的工程,但是一个工程

ABSTRACT: Presented is a concise account of the radio amateurism in the Ukrains.

The number of radio circles and radio courses have grown rapidly. In 1956 tens of thousands of qualified radio operators have been trained in the lower-level radio-ham organizations. High skills were demonstrated at the 10-th All-Union Radio Ham Contest, Kiyev, in April 1957. The first place was taken by the team of V. Somov (L'vov), G. Astrabakhin (Odessa), N. Yemshanov (Vinnitsa). Personal skills were shown by the Masters of Radio Amateurism N. Tartakovskiy and P. Vasil yev. The former set a new all-Union record of 420 digits a minute received on typewriter. 3,172 radio hams passed the exams and received various proficiency-degree certificates. In 1955 there were 85 ultrashort-wave ham radio stations in the Ukraine; in 1956 their number rose to 354; more and more stations are coming on the air.

There are not enough radio clubs in the Ukraine; not all Oblasts have them. Many have poor quarters; hams study in hallways and pantries. Shortage of radio equipment and radio textbooks prevails.

Radio clubs should be organized in all Ukranian oblasts. One paid full-time worker is sufficient for a radio club. The bulk of the work can be carried out card 1/2

Radio Hams in the Soviet Ukraine

107-57-7-5/56

by amateurs free. Czechoslovakian ham organizations are a good example of such a system.

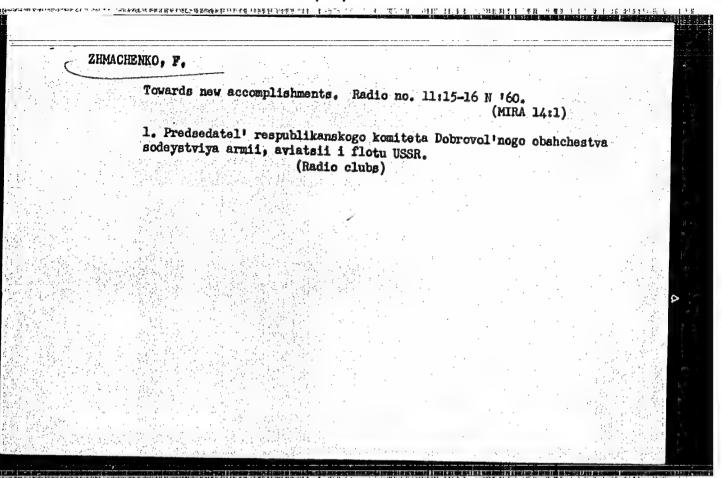
An appeal is made to radio-manufacturing plants to sell their unusable radio equipment and parts to radio hams and their organizations.

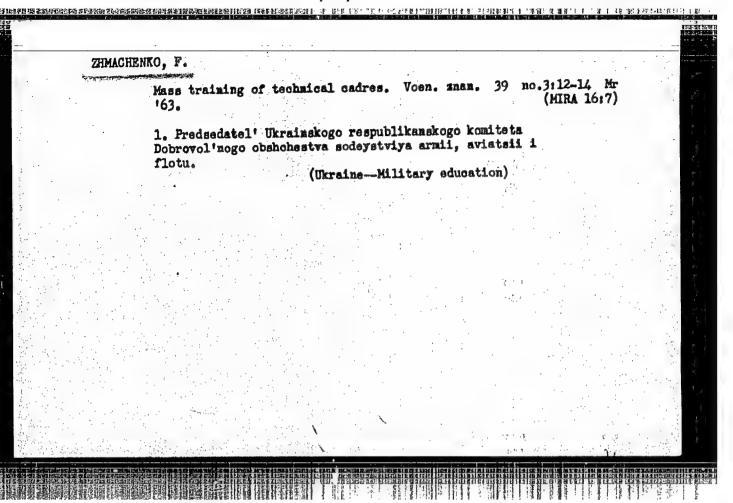
Seminars in Moscow have been organized to train the Chiefs of Radio Clubs. The training has been reduced to attendance of many reports and discussions. It is suggested that: (a) studying of new methods and equipment be conducted instead, (b) the training take place not necessarily in Moscow.

It is urged to organize the Central Radio Club in the Ukraine.

AVAILABLE: Library of Congress

Card 2/2





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	The seven-year no.1:1-2 Ja	plan of the Ukraini 60.	an sportsmen. (MIRA	Za rul. 18 13:5)	
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ZHMHCHENKO, F.

AUTHOR:

Zhmachenko, F., Hero of the Soviet Union, Chairman,

DOSAAF Committee for the Ukrainian SSR

TITLE:

More Attention Must Be Given to Aviation Sports (Bol'she

vnimaniya aviatsionnomu sportu)

PERIODICAL: Kryl'ya Rodiny, 1957, Nr 8, pp. 4-6 (USSR)

ABSTRACT:

The author outlines the achievements of the DOSAAF organizations of the Ukrainian SSR in spurring the interest of the masses in the aviation sports and in raising the quality of the training offered to the members of these organizations; states the requirements for further progress in these fields, the principal requirement being the bettering of the material equipment of the lower-level sport organizations; and criticizes the Central Committee of the DOSAAF for not understanding the importance of the activities of the local organizations and for not paying sufficient attention to the needs of these organizations. More specifically, he stresses the necessity of spreading the existing net of areoclubs, of building a large number of well equipped outdoor training centers and parachute towers, and of

Card 1/2

More Attention Must Es Given to Aviation Sports (Cont.)

85-8-3/18

putting more gliders at the disposal of sport circles. The article contains no scientific data of any importance. A paragraph is, however, quoted below as indicating that the efforts to stimulate the activities of the DOSAAF are linked with the current reorganization of the anti-aircraft defense of the USSR: "Crowded meetings of those who actively participate in organizing the defense of the country were held all over the Ukrain an SSR. At these meetings, it has been asked that the DOSAAF Committees give more consideration to the development of aviation sports."

AVAILABLE: Library of Congress

Card 2/2

ZHMACHENKO, F.P., Geroy Sovetskogo Soyuza

Properly and efficiently. Za rul. 21 no.413-4 Ap '63.

1. Predsedatel' respublikanskogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu Ukrainy.

(Motor vehicles—Societies, etc.)